



State of Utah

DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF WATER QUALITY

Michael O. Leavitt
Governor

Dianne R. Nielson, Ph.D.
Executive Director

Don A. Ostler, P.E.
Director

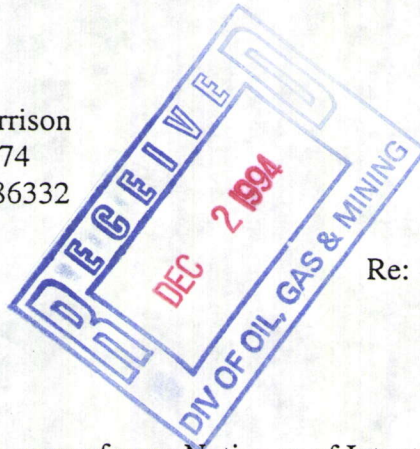
288 North 1460 West
P.O. Box 144870
Salt Lake City, Utah 84114-4870
(801) 538-6146
(801) 538-6016 Fax
(801) 536-4414 T.D.D.

*THIS PACKAGE
RECEIVED FROM THE BLM*

S/037/085

November 18, 1994

Mr. William V. Harrison
H/C 68 P.O. Box 774
Kirkland, Arizona 86332



Re: Monoclimic No. 1, Triangle Copper
Mine BLM UTU-72491

Dear Mr. Harrison:

We have reviewed a copy of your Notice of Intention to Commence Small Mining Operations. We received a copy of the notice from the Bureau of Land Management on November 14, 1994.

This project is for surface mining of ore containing copper and will have a surface disturbance of approximately 3 acres.

We need to receive the following information in detail to continue our review:

1. Site and vicinity or location plan.
2. Description of methods of handling of sulfide bearing ore if such ore is to be disturbed.
3. A detailed description of the process facility.
4. A description of all chemicals that will be used in the process and information regarding concentration, quantity, storage, transport, generation and disposal of these chemicals.
5. A description and size of impoundments if proposed and how they are to be lined to prevent or reduce leakage.
6. The amount of ore that will be processed per day and per year.
7. The total amount of chemicals that will be used per day and per year.

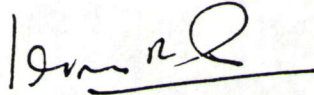
Mr. William V. Harrison
November 18, 1994
Page 2

8. Location and name of water courses that would be impacted or threatened by the operation.

Following our review of the proposed facility, we will advise you whether you will need a ground water, discharge, and/or construction permits. The permits must be issued before you can begin construction of a process facility.

If we can be of further assistance, please contact me or Mr. Lyle Stott of my staff.

Sincerely,



Kiran L. Bhayani, P.E., D.EE., Manager
Design Evaluation Section

KB:LWS:rvlg

cc: Division of Oil, Gas and Mining
Sal Venticinque - Bureau of Land Management

NNHARRISON.124:
FILE:BLM

"FILE COPY"

Moab District
Grand Resource Area
885 South Sand Flats Road
Moab, Utah 84532

3809
UTU-72491 ✓
(UT-068)

NOV 18 1994

Mr. William V. Harrison
H/C 68, P. O. Box 774
Kirkland, Arizona 86332

Re: Mining Notice UTU-72491, located in T29S, R24E (SLM), Section 27: SW1/4 SW1/4;
Section 34: NW1/4 NW1/4, San Juan County, Utah

Dear Mr. Harrison:

Archaeological clearance has been obtained for this mining notice. Therefore, you may commence operations subject to the following stipulations:

1. All 43 CFR 3809 surface management regulations, as well as amended and new rules R647-1 through R647-5 of the Utah State Division of Oil, Gas and Mining shall be observed. You have already received copies of these rules/regulations.
2. All activity under this mining notice is to be confined to those parts of the above-referenced sections located within the boundary of the Monoclinic #1 (UMC 327775) and the Triangle (UMC 347067) unpatented mining claims. Should you wish to amend this mining notice, such amendment must be in conformance with 43 CFR 3809.1-3. In addition, you are responsible for avoiding impingement both of existing rights-of-way and the northwest corner marker for the patented mining claim (the Nevada mineral patent).
3. Available soil/topsoil and removed vegetation is to be stored separately and in such manner that each can be used for reclamation purposes.
4. At the conclusion of operations under this mining notice, the areas so disturbed shall be reshaped to approximate, as near as possible, the natural land contour. Any stored soil/topsoil shall then be evenly spread over the reshaped areas, scarified and reseeded with the following seed mix, which shall be certified as being weed free:

<u>Species</u>	<u>Lbs./Acre</u>
Crested wheatgrass	3
Indian ricegrass	3

<u>Species</u>	<u>Lbs./Acre</u>
Fourwing saltbush	3
Mexican cliffrose	1
Western wheatgrass	3
Alfalfa	2
Yellow sweet clover	1
Total 16 lbs./acre	

If seed is applied by broadcasting, double the above rate. The seeds shall be covered with soil by using a suitable drag. Revegetation shall be done in the fall of the year. Any stored vegetation shall then be spread over the reseeded areas in order to help prevent erosion.

5. Please notify the Authorized Officer when surface reclamation has been completed in order that a compliance field inspection can be conducted.

Should you have questions, please contact Sal Venticinque at this office (801) 259-8193.

Sincerely,

/s/ Raymon Carling, Acting

Area Manager

cc: Mr. Anthony A. Gallegos
Department of Natural Resources
Division of Oil, Gas and Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

SVenticinque:caf:11/18/94 SW-BIN A:U72491

Moab District Office
Grand Resource Area
885 South Sand Flats Road
Moab, Utah 84532

8100
(UT-068)

Nov. 15, 1994

Memorandum

To: Sal Venticinqué, Grand RA Geologist
From: Bruce Louthan, Moab District Archaeologist
Subject: Harrison Azurite Gemstone Mining Notice, T29S, R24E, Sec.
27 SWSW & Sec. 34 NWNW

The subject mining activity is in a previously disturbed area with an open pit mine, spoil piles and multiple roads and tracks. Despite some natural revegetation, it appears after field inspection to have no areas undisturbed.

Under agreement with the Utah SHPO, because of significant prior disturbance of the surface and the likelihood of no cultural resources remaining, no cultural resource inventory is required.

Therefore, no new cultural inventory is needed to approve this mining notice.

Bruce A. Louthan

"FILE COPY"

Moab District
Grand Resource Area
885 South Sand Flats Road
Moab, Utah 84532

3809
UTU-72491 ✓
(UT-068)

NOV 10 1994

Mr. Kiran L. Bhayani
Design Evaluation Manager
Division of Water Quality
288 North 1460 West
Salt Lake City, Utah 84114-4870

Dear Mr. Bhayani:

Enclosed is a mining notice for your review. The serial number UTU-72491 has been assigned to this case file. Please refer to this number in all future correspondence.

Your comments are needed by November 21, 1994. These comments should be directed to Mr. Sal Venticinque, Area Geologist for the Grand Resource Area. Thank you for your assistance.

Sincerely,

s/ALEX VanHEMERT

Acting

Area Manager

Enclosure

Copy of Mining Notice to UTU-72491 (9 pp)

SVenticinque:caf:11/10/94 SW-BIN A:U72491AW

UTU-72491

MINING NOTICE CHECK LIST

	No Conflict	Conflict	Comments
LAND STATUS	11/7/94 J.V.		
A.C.E.C.	11-7-94 RUC		
ORV AREA	11-7-94 RUC		
WILDERNESS	11-7-94 RUC		
NATIONAL WILD AND SCENIC RIVERS	11-7-94 RUC		
WILDLIFE	11-7-94 J.V.		
GRAZING	11/9/94 RUC		
ARCHEOLOGY	BOD 11/15/94		

44-72491

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
(801) 538-5340
Fax: (801) 359-3940

RECEIVED
94 NOV -7 AM 11:38
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

NOTICE OF INTENTION TO COMMENCE SMALL MINING OPERATIONS

The informational requirements of this form are based on provisions of the Mined Land Reclamation Act, Title 40-8, Utah Code Annotated 1987, and the General Rules as promulgated under the Utah Minerals Regulatory Program.

"Small Mining Operations" means mining operations which disturb five or less surface acres at any given time.

I. GENERAL INFORMATION (Rule R613-003-104)

1. Name of Claim/Mine: Monoclinic #1, Triangle
2. Name of Operator/Applicant: William V HARRISON
Company () Corporation () Partnership () Individual (✓)
3. Permanent Address: H/c 68 PO Box 779
City: KIRKLAND State: AZ Zip Code: 86332
Telephone Number: (602) 442-3678
4. Ownership of Land Surface:
Private (Fee) ☐ Public Domain (BLM) ☒ National Forest (USFS) ☐
State of Utah ☐ Other: _____
5. Ownership of Minerals:
Private (Fee) ☐ Public Domain (BLM) ☒ National Forest (USFS) ☐
State of Utah ☐ Other: _____

72491
UTU-724Utah Mining Claim Number(s): UMC 327775
UMC 347067

Utah State Lease Number(s): _____

6. Have the above owners been notified in writing? Yes _____ No _____
If no, why not? I AM THE CLAIMANT OF RECORD7. Does the operator have legal right to enter and conduct mining operations on the land covered by this notice? Yes ☒ No _____II. PROJECT LOCATION & MAP (Rule R613-003-105)1. Project Location (legal description): SAN JUAN
County(ies): _____

<u>SW</u> 1/4, of <u>SW</u> 1/4, of _____ 1/4:	Section: <u>27</u>	Township: <u>29S</u>	Range: <u>24E</u>
<u>NW</u> 1/4, of <u>NW</u> 1/4, of _____ 1/4:	Section: <u>34</u>	Township: <u>29S</u>	Range: <u>24E</u>
_____ 1/4, of _____ 1/4, of _____ 1/4:	Section: _____	Township: _____	Range: _____

2. A topographic base map showing the location of the proposed small mining operation must be submitted with this notice. A USGS 7.5 minute series map is preferred. The areas to be disturbed should be plotted in sufficient detail so that they can be located on the ground. It is recommended that the operator also plot and label any previous disturbances in the immediate vicinity that he is not responsible for.

III. OPERATION PLAN (Rule R613-003-106)1. Type of mining: Surface ☒ Underground ☐2. Mineral(s) to be mined: COPPER3. Provide a brief description of the proposed mining operation and onsite processing facilities. THE USE OF A BACKHOE AND BULL DOZER TO
SCAPE THE SURFACE INCLUDING THE USE OF EXPLOSIVES AS NEEDED
ALL OPERATIONS WILL BE ON THE WEST SIDE OF A PAVED ROAD
ADJACENT TO A OPEN PIT TO THE NORTH. ALL AREAS DISTURBED
WILL BE BACKFILLED AND CONTOURED TO THE BEST POSSIBLE TO LEAVE
THE AREA SAFE WITH THE LEAST LAND DISTURBANCE NEEDEDNew Road(s): Length NONE (ft) Width NONE (ft)Total project surface acreage to be disturbed: 3 (acres)

IV. OPERATION AND RECLAMATION PRACTICES (Rule R647-3-107, 108 & 109)

The reclamation and operation obligation is to keep the area clean and safe, minimize hazards to public safety, return the land to a useful condition, and reestablish at least 70 percent of the premining vegetative ground cover. To accomplish this, the operator will need to perform reclamation concurrently, or at the completion (within one (1) year) of mining:

1. Keep the mining operation in a safe, clean, and environmentally stable condition.
2. Permanently seal all shafts and tunnels to prevent unauthorized or accidental entry.
3. Plug drill holes with a five foot cement surface plug. Holes that encounter fluids are to be plugged in the subsurface to prevent aquifer contamination.
4. Construct berms, fences, or barriers, when needed, above highwalls and excavations.
5. Remove, isolate, or neutralize all toxic materials in a manner compatible with federal and state regulations.
6. Remove all waste or debris from stream channels.
7. Dispose of any trash, scrap metal, wood, machinery, and buildings.
8. Conduct mining activities so as to minimize erosion and control sediment.
9. Reclaim all roads that are not part of a permanent transportation system.
10. Stockpile topsoil and suitable overburden prior to mining.
11. Stabilize highwalls by backfilling or rounding to 45 degrees or less, where feasible; reshape the land to near its original contour, and redistribute the topsoil and suitable overburden.
12. Properly prepare seedbed to a depth of six inches by ripping, discing, or harrowing.
13. Reseed disturbed areas with adaptable species. (The Division recommends seeding 20 lbs./acre of native and introduced species of grass, forb, and browse seed, and will provide a specific species list if requested.)
14. Plant the seed with a rangeland or farm drill, or if broadcast seeded, harrow or rake the seed 1/4-1/2 inch into the soil - fall is the preferred time to seed.

V. VARIANCE REQUEST (Rule R613-003-110)

Yes ☐ No ☒

Any planned deviations from Rules R613-003-107, Operation Practices, R613-003-108, Hole Plugging Requirements, or R613-003-109, Reclamation Practices, as summarized above, should be identified below and justification given for the variance request(s).

<u>Item Number</u>	<u>Variance Request Justification</u>
_____	_____
_____	_____
_____	_____
_____	_____

VI. SIGNATURE REQUIREMENT

I hereby commit to conduct mining operations and to reclaim the aforementioned small mine as required by the Utah Mined Land Reclamation Act (40-8) and the rules as specified by the Board of Oil, Gas and Mining.

Signature of Operator/Applicant: _____

Name (typed or printed): _____

Title/Position (if applicable): _____

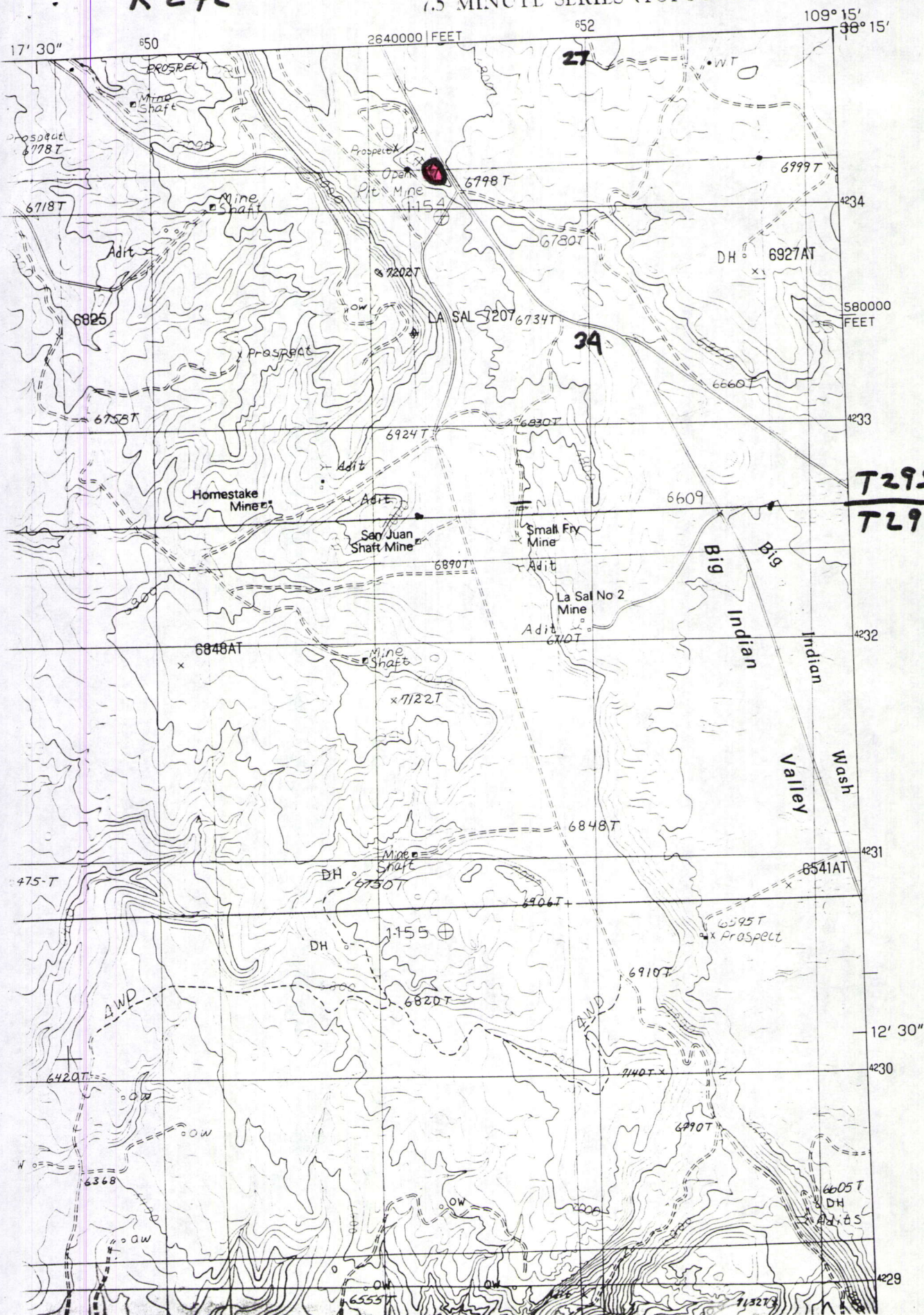
Date: _____

William Y Harrison

William Y HARRISON

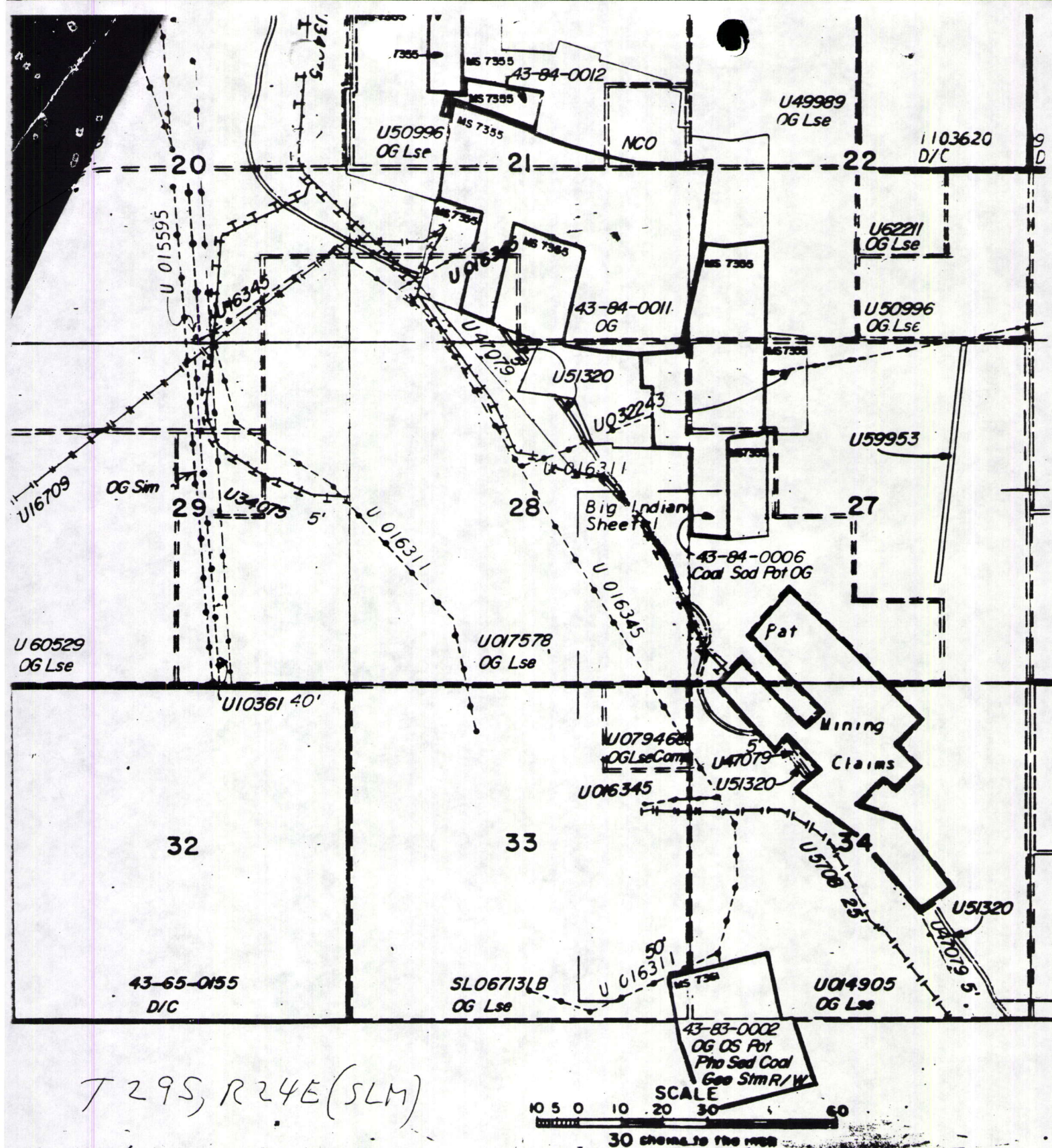
11-7-99

R24E


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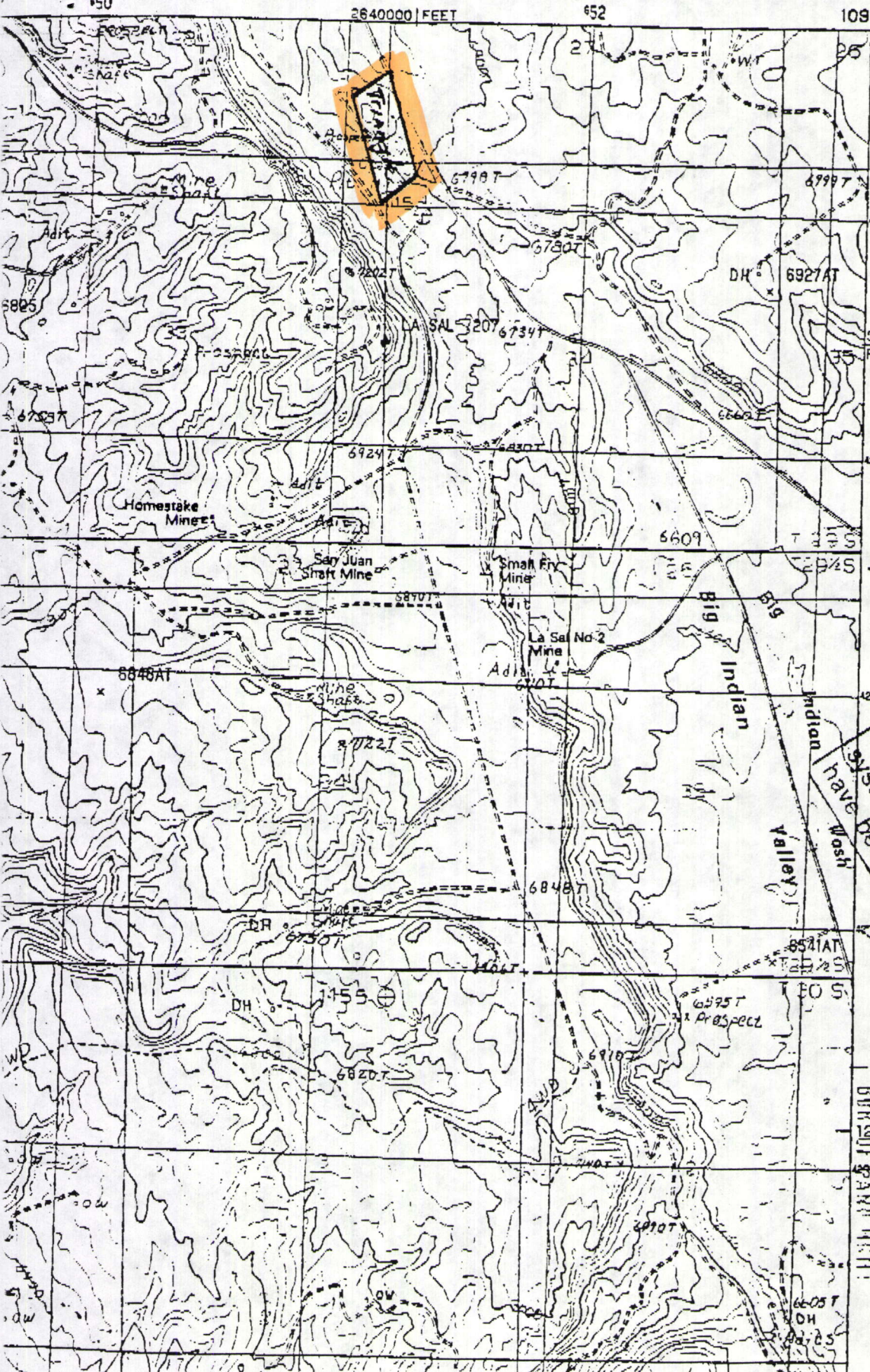
O-4TH-
72491
AREA

44-72491



RECEIVED
UTAH STATE OFFICE
89 SEP 25 PM 2:31
DEPT OF INTERIOR
BUREAU OF LAND MANAGEMENT

SANDSTONE DRAW QUADANGLE
UTAH-SAN JUAN CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



Map
of

Triangle
Lode Claim

Staked 9/13/91
by Steve Kosmick

Scale 1" = 2000'

Sec 21, 28, 33, 34 T29S
R24E SLBM
SAN JUAN County, Utah

INTERIOR. BLM Utah State Office
Data relative to this document
has been entered into an automated
system and images of all documents
have been microfilmed.

91 OCT 15 PM 12:32

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